

AQUACULTURE AND HYDROPONICS: 1968-1978

**BIBLIOGRAPHIES AND
LITERATURE OF AGRICULTURE,
BLA-2, MAY 1979**

**UNITED STATES
DEPARTMENT OF
AGRICULTURE**

**SCIENCE AND
EDUCATION
ADMINISTRATION**

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Science and Education Administration, Bibliographies and Literature of Agriculture, No. 2, May 1979

Aquaculture and Hydroponics: 1968-1978

Compiled by
Charles N. Bebee
Automated Retrieval Section
National Agricultural Library

Bibliographies and Literature
of Agriculture, BLA-2, May 1979

U.S. Department of Agriculture
Science and Education Administration
Technical Information Systems
Beltsville, Maryland 20705

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PREFACE

Citations for this bibliography were pulled from the AGRICOLA citation database online. They represent:

- Articles, monographs, and series, regardless of language, indexed at the National Agricultural Library since the publication of the January 1970 issues of the Bibliography of Agriculture and the National Agricultural Library Catalog.
- Literature received more than one year after publication is generally not indexed; exceptions are made for important scientific publications.

Some duplication of citations occurs because the system requires separate entries for each of the separate files which are incorporated into AGRICOLA. The compiler has attempted purging of known duplicate entries.

The bibliography is a broad subject arrangement by categories as used in The Bibliography of Agriculture; subarrangement is alphabetical by author. A personal author index is included.

User comments and suggestions are welcomed and should be forwarded to the compiler, Charles N. Bebee.

Citations listed on pages 58 - 65 are items from old category codes 1970-1971. These cannot be sorted online and are, therefore, arranged in single alphabetical order.

Richard A. Farley
Deputy Director
Technical Information Systems
Science and Education Administration
U.S. Department of Agriculture

SAMPLE CITATION

Lockheed Number	1299904	AGRICOLA Tape Number	
NAL Call Number	QC851.J6	Title	
Personal Author	Id No: 77-9092127		
Journal Title	The scales of hail .North American data.		
Abbreviation	Changnon, S A Jr		
	J Appl Meteorol	16 (6) : 525-648, Maps, Ref.	June 1977
	QC851.J6		
NAL Call Number	Search: 19770600		
Inverted Source Date	Source: OTHER US	Doc Type: ARTICLE, REVIEW, BIB	Vol., issue no., inclusive pagination, date of publication
Category Code	Cat Code: 0505		
	Descriptors: North America		
Descriptor term(s)	Type of Document		

AVAILABILITY OF REFERENCES CITED

The National Agricultural Library (NAL) offers two document delivery services to libraries, information centers, commercial organizations and individuals:

I. INTERLIBRARY LOAN SERVICE

NAL will loan monographs from its collection to any library in the United States. Individuals should request publications through their local public, school or special library. Excluded from loan are serials (except USDA serials), books in special collections such as Rare Books and Reference, and proceedings of meetings and conferences. Xerographic copy of microfilm will be supplied from non-circulating material at the expense of the borrowing library, when that library so indicates on the ALA Interlibrary Loan form (see RATES under PHOTODUPLICATION SERVICE below).

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3. Delivery and Returns: All loans will be sent first class and should be returned in the same manner. The borrowing library is responsible from the moment of dispatch for any loss or damage incurred.

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Xerographic Copy: \$2.00 for each 10 pages or fraction copied from a single article or book
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3. Payment: Users with heavy or continuous volume may request monthly billing or pay for requests with NAL coupons. These coupons may be purchased in any quantity at \$1.00 each. Payment (check or money order payable to the National Agricultural Library) must accompany NAL coupon orders. Attach the necessary number of coupons to each LF-607 submitted. Occasional or one time users should enclose a check or money order with each request or group of requests.
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Requests for the services described above should be sent to: U.S. Department of Agriculture, National Agricultural Library, Lending Branch, Beltsville, Maryland 20705. Questions concerning these services should be directed to the attention of the Chief, Lending Branch.

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SEARCH STRATEGY

Set	Items	Description
1	90	AQUACULTUR?
2	139	WATER(F)CULTURE
3	53	WATER(F)CULTURES
4	263	HYDROPON?
5	542	1-4/+
6	256	5/MAJ
7	7	AQUICULTUR?
8	67	SOILLESS
9	324	6+7+8
10	279	9/MAJ
11	353	1+4
12	95	10-11
13	44	WATER(W)CULTURE
14	9	WATER(W)CULTURES
15	8	HYDROCULTUR?
16	467	1+4+7+8+13+14+15
17	233	16/MAJ
18	234	16/MIN
19	2	SOIL(W) LESS
20	468	16+19
21	22495	CC-55?
22	16276	CC=6020
23	20144	CC=6505
24	3443	OC=85
25	5497	OC=30
26	67250	21-25/+
27	50	20+25
28	418	20-27
29	197	28/MAJ
30	0	8EBEE/MORAN

Print 20/2/1-468

Search Time: 0.389 Prints: 468 Descs.: 20

GENERAL AGRICULTURE

1358666 Id No: 78-9007852
 SH1.F54 The integration of aquaculture with agriculture
 Buck, D H
 Fisheries 2 (5): 11-12, 14-16. Nov/Dec 1977
 SH1.F54
 Search: 19771200
 Source: OTHER US Doc Type: ARTICLE
 Cat Code: 0505

691847 Id No: 73-9149678
 80 R3212 L'aquaculture, technique d'avenir; Hydroponics, crop culture
 of the future
 Cesar, G
 Rev Hort Suisse 45 (5): 41-42. Feb 1973
 80 R3212
 Language: FRE
 Search: 19730200
 Doc Type: ARTICLE
 Cat Code: 0505

1051876 Id No: 75-9121107
 HD1945.4115 L'ultime reserve de l'humanite? Les fermes marines; Maritime
 farms, the ultimate reserve of humanity? .Aquaculture.
 Haberkorn, J P
 Inf Agric (Paris) 461: 34-36. Sept 1975
 HD1945.4115
 Language: FRE
 Search: 19750900
 Doc Type: ARTICLE
 Cat Code: 0505

789136 Id No: 73-9227559
 389.9 S018 L'aquaculture: Source nouvelle de proteines alimentaires;
 Aquaculture: A new source of food proteins
 Rouzaud, P
 Bull Soc Sci Hyg Aliment 61 (1): 18-31. 1973
 389.9 S018
 Language: FRE
 Search: 19730000
 Doc Type: ARTICLE

AGRICULTURAL ECONOMICS AND RURAL SOCIOLOGY

1315940 Id No: 77-9910971
 77.910971 Aquaculture economics research needs; report from a workshop
 to identify aquaculture economics research needs, Atlanta.
 Georgia -- April 23. 1976
 Smith, F J; Roberts, K J
 Charleston, SC. S. C. Marine Res Ctr S. C. Sea Grant Pgm.
 Tech Rep 5, 43 p Aug 1976
 77.910971
 Search: 19760800
 Source: OTHER US Doc Type: MONOGRAPH Location: AGE
 Cat Code: 1005
 Descriptors: Research Needs; Aquaculture

1257025 Id No: 77-9053494
 281.8 EK72 Tehnicka i ekonomska procena razlicitih nacina uzgoja riba u
 ribnjacima. 2: Technical and economic estimate of different
 types of aquaculture in fish ponds .Farm management.
 Apostolski, K M; Arsovski, B S
 Ekon Poljopr 23 (5): 37-50. Eng. sum. May 1976
 281.8 EK72
 Language: SCR
 Search: 19760500
 Doc Type: ARTICLE
 Cat Code: 1010
 Descriptors: Yugoslavia

1330057 Id No: 77-9117359
 72.8 K522 Cost accounting in exploitative aquicultural economies
 .Irrigation economics.
 Pinkhasov, M; Polinov, S
 Khlopkovodstvo 8: 38-40. Aug 1976
 72.8 K522
 Language: RUS
 Search: 19760800
 Doc Type: ARTICLE
 Cat Code: 1010; 6020

1267631 Id No: 77-9910337
 100 AL1H Economic comparisons of singled cropped and multiple cropped catfish production systems
 Crawford, K W
 Alabama, Agricultural Experiment Station
 Highlights Agric Res 23(3): 6 - Fall 1976
 100 AL1H
 Search: 19760000 Doc Type: ARTICLE Location: AGE
 Source: EXP STN
 Cat Code: 1015
 Descriptors: Cost And Returns; Aquaculture; Alabama

1315913 Id No: 77-9910800
 281.8 C16 An economic evaluation of aquaculture in Ontario
 Lerner, A
 Can J Agric Econ 25(1): 74-79 Feb 1977
 281.8 C16
 Search: 19770200
 Doc Type: ARTICLE Location: AGE
 Cat Code: 1015
 Descriptors: Fisheries; Hatchery; Equipment; Labor
 Requirements; Feeding; Costs; Marketing; Consumption

1235744 Id No: 77-9035319
 80 W41 Costs and losses of soil and soilless media
 Poole, H A
 Florists Rev 159 (4132): 62, 87-91. Feb 10, 1977
 80 W41
 Search: 19770210
 Source: OTHER US Doc Type: ARTICLE
 Cat Code: 1015; 6005

1329359 Id No: 77-9910879
 SH222.A107 Analyzing a new marine business
 Smith, F J
 Oregon State University, Extension Service
 Sea Grant S G Oreg State Univ Mar Adv Program 34, 8 p
 Nov 1976
 SH222.A107
 Search: 19761100
 Source: EXT Doc Type: ARTICLE Location: AGE
 Cat Code: 1015
 Descriptors: Marine Industry; Business Management; Costs And Returns; Accounting; Resource Allocation

1222949 Id No: 77-9023843
 SF95.A1P7 Can we afford aquaculture? .Industries.
 Conklin, D E
 Prof Nutr 8 (3): 3-7. Summer 1976
 SF95.A1P7
 Search: 19760000 Doc Type: ARTICLE
 Source: OTHER US
 Cat Code: 1030
 Descriptors: United States

648578 Id No: 72-9122453
 41.8 AM3 Aquaculture and mariculture: protein potentials
 Poppensiek, G C
 Amer Vet Med Assoc J 161 (11): 1467-1475. Ref. Dec 1, 1972
 41.8 AM3
 Search: 19721201
 Doc Type: ARTICLE
 Cat Code: 1030

885909 Id No: 74-9081588
 TD172.E57 Critical variables in food-item population dynamics in a wastewater aquaculture system. .Fishery products.
 Powers, J E
 Environ Prot Technol Ser EPA U S Environ Prot Agency 660/2-74-041: 497-503. June 1974
 TD172.E57
 Search: 19740600
 Doc Type: ARTICLE
 Cat Code: 1030

848697 Id No: 74-9049127
 SH1.A6 Comparison of the economic potential of aquaculture, land animal husbandry and ocean fisheries: the case of Taiwan. .Pig farming.
 Shang, Y C
 Aquaculture 2 (2): 187-195. Ref. Jun 1973
 SH1.A6
 Search: 19730600
 Doc Type: ARTICLE
 Cat Code: 1030
 Descriptors: Taiwan

1287737
S19.A32 Id No: 77-9081696
Role of fresh-water aquaculture in integrated rural development in India
Tripathi, S D
Agric Agroind J 9 (12): 31-32. Dec 1976
S19.A32
Search: 19761200
Doc Type: ARTICLE
Cat Code: 1030
Descriptors: India

871440
12 AG8 Id No: 74-9069210
Fish farming or aquaculture can meet future demand for protein-rich food
Agric Newsl Neth 6: 1-4. 1974
12 AG8
Search: 19740000
Doc Type: ARTICLE
Cat Code: 1030

1181840
SH21.15 Id No: 76-9111663
The International Center for Aquaculture: annual report for fiscal year 1975 .Fisheries for growing protein, developing countries, programs.
Alabama, Agricultural Experiment Station, International Center for Aquaculture
Auburn 63 p. Ref. Dec 23, 1975
SH21.15
Search: 19751223
Source: EXP STN Doc Type: MONOGRAPH, B18
Cat Code: 1030; 2505
Descriptors: Alabama

1318284
381 J8223 Id No: 77-9107328
Hydroponic growth of crops -green beans, cantaloupes, cotton. in solutions saturated with .14C.benzo.a.pyrene -Carbon isotopes.
Blum, S C; Swarbrick, R E
J Agric Food Chem 25 (5): 1093-1096. Sept/Oct 1977
381 J8223
Search: 19771000
Source: OTHER US Doc Type: ARTICLE
Cat Code: 1505

648579
41.8 AM3 Id No: 72-9122454
Aquaculture and associated diseases of fish of public health importance
Ghittino, P
Amer Vet Med Assoc J 161 (11): 1476-1485. Ref. Dec 1, 1972
41.8 AM3
Search: 19721201
Doc Type: ARTICLE
Cat Code: 1505

795188
22 IN283 Id No: 74-9004014
Protein crisis and aquaculture
Prasad, R R
Indian Farming 23 (6): 5, 38. Sept 1973
22 IN283
Search: 19730900
Doc Type: ARTICLE
Cat Code: 1510
Descriptors: India

AGRICULTURAL PRODUCTS

1051793
501 L84B Id No: 75-9121024
The aquacultural revolution .Cultivation of marine fish andshellfish for food.
Anderson, J I W
Proc R Soc Lond, B Biol Sci 191 (1102): 169-184. Ref. Nov 18, 1975
501 L84B
Search: 19751118
Doc Type: ARTICLE
Cat Code: 2005

1360151
286.81 F322 Id No: 78-9009342
Soft shell crawfish as an aquaculture food product
Huner, J V
Feedstuffs 49 (50): 28-29. Dec 5, 1977
286.81 F322
Search: 19771205
Source: OTHER US Doc Type: ARTICLE, REVIEW
Cat Code: 2005

- 1292275 Id No: 77-9084432
QH705.F64 The food production efficiency of undomesticated species of animals from fish, aquaculture.
Large, R V
In Food Production and Consumption. A N. Duckham, J. G. W. Jones & E. H. Roberts, eds. p. 199-214. Ref. 1976
QH705.F64
Search: 19760000
Doc Type: ARTICLE
Cat Code: 2005
- 1255158
157.8 R29 No.260562 Id No: 77-9682951 Book Cat: 770072 3
Proceedings of the first International Conference on Aquaculture Nutrition, Oct. 14-15, 1975, Lewes/Rehoboth, Del.
... /; Edited by Kent S. Price, Jr., William N. Shaw, Karin S. Danberg. --
Price, Kent S
International Conference on Aquaculture Nutrition, 1st, Lew, Es/Rehoboth, Del., 1975.
Newark, Del. : College of Marine Studies, University of Delaware, viii, 323 p. : ill. ; 23 cm. -- 1976.
157.8 R29 No.260562
77007213
Note: Sponsored by the Sea Grant College Program. University of Delaware in cooperation with the U.S./Japan Aquaculture Panel. Includes bibliographies and indexes.
Search: 19760000
Source: OTHER US Doc Type: MONOGRAPH
Cat Code: 2005
Descriptors: Aquaculture; Congresses.; Fishes; Feeding And Feeds; Congresses.
- 1192637
S295.M3 Id No: 76-9121050
Experimental aquaculture of the mussel, (*Mytilus viridis* L.) as a protein source
Sivalingam, P'M; Rajagopalan, K
Malays Agric Res 4 (2): 137-139. Ref. Aug 1975
S295.M3
Search: 19750800
Doc Type: ARTICLE
Cat Code: 2005
Descriptors: Malaysia
- 1224165
SH21.15 Id No: 77-9025072
The International Center for Aquaculture. Annual report for fiscal year 1974
- Alabama, Agricultural Experiment Station
Augurn 11 p. 1974 (pub. May 1976)
SH21.15
Search: 19760500
Source: EXP STN Doc Type: MONOGRAPH
Cat Code: 2005
Descriptors: Alabama
- 564904
389.8 V89 Id No: 72-9038192
Iodine content in vegetables grown in soil and by hydroponics
Fomichenko, E I
Vop Pitan 30 (5): 66-68. Ref. Eng. sum. Sept/Oct 1971
389.8 V89
Language: RUS
Search: 19711000
Doc Type: ARTICLE
Cat Code: 2030
- 628959
S544.3.H3H3 Id No: 72-9102690
Feasibility studies in aquaculture
Ball, J L
Hawaii Univ Ext Misc Publ 93: 71-73. July 1972
S544.3.H3H3
Search: 19720700
Source: EXT Doc Type: ARTICLE
Cat Code: 2035
- 628960
S544.3.H3H3 Id No: 72-9102691
Nutrition problems in aquaculture. Aquatic animals.
Bardach, J E
Hawaii Univ Ext Misc Publ 93: 74-78. July 1972
S544.3.H3H3
Search: 19720700
Source: EXT Doc Type: ARTICLE
Cat Code: 2035

Alabama, Agricultural Experiment Station
Highlights Agric Res 23 (3): 10. Fall 1976
100 AL1H
Search: 19760000
Source: EXP STN Doc Type: ARTICLE
Cat Code: 2505

1228081
S441.R26 Id No: 77-9029023
Aquaculture: toward an ecological approach .Fish ponds on farms.
McLarney, W O
In Radical Agriculture; R. Merrill, ed. p. 328-339. Ref. 1976
S441.R26
Search: 19760000
Source: OTHER US Doc Type: ARTICLE
Cat Code: 2505

1286542
SH21.I5 Id No: 77-9080497
The International Center for Aquaculture. Annual report for fiscal year 1976
Shell, E W
Alabama, Agricultural Experiment Station; International Center for Aquaculture
Auburn 15 p. Ref. 1976 (pub. 1977)
SH21.I5
Search: 19770500
Source: EXP STN Doc Type: MONOGRAPH
Cat Code: 2505
Descriptors: Alabama

1292453
SH1.U5 Id No: 77-9084614
Aquacultural economics bibliography
Vondruska, J
NOAA Tech Rep NMFS SSRF U S Natl Mar Fisheries Serv 703. 123 p. Oct 1976
SH1.U5
Search: 19761000
Source: OTHER US Doc Type: ARTICLE, BIB
Cat Code: 2505

628961
S544.3.H3H3 Id No: 72-9102692
Food as the limit to commercial shrimp aquaculture: A challenge to the feed industry
Cordova, R D
Hawaii Univ Ext Misc Publ 93: 80-83. July 1972
S544.3.H3H3
Search: 19720700
Source: EXT Doc Type: ARTICLE
Cat Code: 2035

1240473
157.8 R29 Id No: 77-9040150
The role of the feed industry in developing formulated feeds for aquaculture
MacGrath, W S Jr
PB U S Natl Tech Inf Serv 260452: 119-123. 1976
157.8 R29
Search: 19760000
Source: OTHER US Doc Type: ARTICLE
Cat Code: 2035

1282865
389.78 W52 Id No: 77-9076795
Hydroponically grown forage is still with us .Grass machines.
Anim Nutr Health 32 (2): 18-19. Mar 1977
389.78 W52
Search: 19770300
Source: OTHER US Doc Type: ARTICLE
Cat Code: 2035

ANIMAL SCIENCE

1276747
105.2 OR3 Id No: 77-9072050
Produktiviteit van en produktiemogelijkheden in het aquatisch milieu; Productivity of production potential in aquiculture
Huisman, E A
Landbouwk Tijdschr 88 (7): 238-242. Ref. July 1976
105.2 OR3
Language: DUT
Search: 19760700
Doc Type: ARTICLE
Cat Code: 2505

1209421
100 AL1H Id No: 77-9011708
Reducing uses of energy in aquaculture
McCoy, E W; Boutwell, J L; Jolly, C M

PLANT SCIENCE

753027
 SH21.15 Id No: 73-9392985 Book Cat: 73012265
 Annual report
 1st - 1970/71 -
 International Center for Aquaculture; Alabama. Agricultural
 Experiment Station
 Auburn, Ala.. Auburn University 1971-
 SH21.15
 73012265
 Note: Project AID/csd 2780
 Search: 19710000
 Source: EXP STN Doc Type: SERIES
 Cat Code: 2505
 Descriptors: Fish-culture

VETERINARY MEDICINE

958405
 41.8 AM3 Id No: 75-9039506
 The Challenge of aquaculture for veterinarians
 Miller, W R
 J Am Vet Med Assoc 166 (8): 790-791. Apr 15, 1975
 41.8 AM3
 Search: 19750415
 Doc Type: ARTICLE
 Cat Code: 3005

FORESTRY

931786
 99.9 C324 Id No: 75-9014719
 Zkusenosti s hydroponickym pestovaním semenacku lesnich
 drevin; Experience with hydroponic growing of forest tree
 seedlings
 Pospisil, J; Koutnik, V
 Lesnictvi 20 (7): 665-686. Ref. Eng. sum. July 1974
 99.9 C334
 Language: CZE
 Search: 19740700
 Doc Type: ARTICLE
 Cat Code: 3515

569047
 1.962 C5171 Id No: 72-9042338
 Soilless container system developed for growing conifer
 seedlings
 White, D P; Schneider, G
 Tree Planters' Notes 23 (1): 1-4. Feb 1972
 1.962 C5171
 Search: 19720200
 Source: USDA Doc Type: ARTICLE
 Cat Code: 3515

590878

5590.85 Id No: 72-9064271
 Dispositif stérile pour cultures hydroponiques; Sterile
 apparatus for hydroponic cultures. -Roots.
 Garcia, J L; Raimbault, M; Mouraret, M
 Soil Biol Int News Bull 14: 34-37. Ref. 1971
 5590.85
 Language: FRE
 Search: 19710000
 Doc Type: ARTICLE
 Cat Code: 4005

1276199

SB320.A4 Id No: 77-9071490
 Utility of hydroponic cutting technique for chromosome
 number and morphology studies in Arachis .Peanuts.
 Simpson, C E; Davis, K S
 J APREA (Am Peanut Res Educ Assoc Inc) 7 (1): 1-3. Sept
 1975
 SB320.A4
 Search: 19750900
 Source: OTHER US Doc Type: ARTICLE
 Cat Code: 4020

778283

442.8 N22 Id No: 73-9225444
 Anatomomorphological features of the roots of cucumbers and
 tomatoes under conditions of hydroponics
 Zelenina, M V
 Nauch Dokl Vyssh Shk, Biol Nauk 7: 73-77. Ref. 1973
 442.8 N22
 Language: RUS
 Search: 19730000
 Doc Type: ARTICLE
 Cat Code: 4020

1180423
20.5 P872 Id No: 76-9110242
Dziędziczenie systemow korzeniowych jeczmenia. II.
Wskazniki zmianow systemu korzeniowego odmian Gryf, Lubuski
i Skrzyszowski, rosnacych w kulturach wodnych; Inheritance of
barley root systems. II. Indices of roots dimension of
cultivars Gryf. Lubuski and Skrzyszowski grown in water
culture
Krzywanski, Z; Wojcik-Wojkowiak, D; Borys, M W; Stroinski, A
; Wojciechowski, J
Pr Poznan Tow Przyj Nauk Wydż Nauk Roln Lesn 41: 231-238.
Eng. sum. 1976
20.5 P872
Language: POL
Search: 19760000
Doc Type: ARTICLE
Cat Code: 4025; 4035

795389
SB126.5.15 1973 Id No: 74-9004223
Risultati di un quadriennio di sperimentazione sul
miglioramento genetico delle piante per la coltura idroponica
e prospettive future; Results of a four years experimentation
on the genetic improvement of plants for hydroponic culture
and outlook for the future
Panella, A
In International Congress on Soilless Culture. 3d,
Sassari, 1973. Proceedings 3d: 175-185. Eng. sum. 1973
SB126.5.15 1973
Language: ITA
Search: 19730000
Doc Type: ARTICLE
Cat Code: 4025

1213854
QH431.A1S25 Id No: 77-9016256
Využití hydroponie ve šlechtění jarního jecmene: The use of
hydroponics in spring barley breeding
Ruzicka, F
Genet Slechteni 11 (3): 255-261. Eng. sum. June 1975
QH431.A1S25
Language: CZE
Search: 19750600
Doc Type: ARTICLE
Cat Code: 4025

1180422
20.5 P872 Id No: 76-9110241
Dziędziczenie systemow korzeniowych jeczmenia. I. Wplyw
poziomu potasu i fosforu na wzrost jeczmenia cv.

Skrzeszowski w kulturach wodnych; Inheritance of barley root
systems. I. Effect of potassium and phosphorus level on growth
of barley cultivar Skrzyszowski in water culture
Wociechowski, J; Borys, M W; Krzywanski, Z; Stroinski, A;
Wojcik-Wojtkowiak, D
Pr Poznan Tow Przyj Nauk Wydż Nauk Roln Lesn 41: 225-230.
Eng. sum. 1976
20.5 P872

Language: POL
Search: 19760000
Doc Type: ARTICLE
Cat Code: 4025; 4035

PLANT PHYSIOLOGY AND BIOCHEMISTRY - GENERAL

693540
24 EA74 Id No: 73-9151458
Observations on the water culture technique for studying the
effects of copper concentrations on Arabica coffee seedlings
Aduayi, E A
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Descriptors: Hydroponics

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of humic acid on sugar beet using hydroponic culture
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plants under conditions of water culture
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Telezynska, J

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64.8 C883 Id No: 77-9037585

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Vigue, J T; Harper, J E; Hageman, R H; Peters, D B
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Descriptors: Hydroponics; Tomato Breeding

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Baginskas, B P; Geguzhis, S S
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Cat Code: 4060

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450 C16 Id No: 77-9062716

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Doc Type: ARTICLE
- 175137
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